(19) Organisation Mondiale de la Propriété Intellectuelle

149914610

Bureau international



| 94| | 14| | 14| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| | 15| |

(43) Date de la publication internationale 12 avril 2001 (12.04.2001)

PCT

(10) Numéro de publication internationale WO 01/25227 A2

(51) Classification internationale des brevets⁷:

(21) Numéro de la demande internationale:

C07D 401/00

C0/D 401/0

- (71) Déposaut AVENTIS PHARMA S.A. [FR/FR]; 20 avenue Raymond Aron, F-92160 Antony (FR).
- PC1/FR00/02541
- (22) Date de dépôt international: 14 septembre 2000 (14.09.2000)
- (25) Laugue de dépôt:

français

(26) Langue de publication:

français

(30) Données relatives à la priorité:

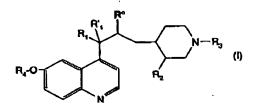
99/11679

17 septembre 1999 (17.09.1999) FI

(72) Inventeurs: MALLERON, Jean-Luc; 2 allée Renoir, F-91460 Marcoussis (FR). TABART, Michel; 3 rue Paul Langevin, F-91290 La Norville (FR). CARRY, Jean-Christophe; 5 rue de Savoie, F-94100 Saint Maur (FR). EVERS, Michel; 8 rue Robert Schumann, F-94510 La Quenc En Brie (FR). EL AHMAD, Youssef; 11 avenue de Verdun, F-94000 Creteil (FR). MIGNANI, Serge; 14 avenue de Robinson, F-92290 Chatenay Malabry (FR). VIVIANI, Fabrice; 46 rue Jules Fossier, F-95380 Louvres (FR).

[Suite sur la page suivante]

- (54) Title: PIPERIDINE QUINOLYL PROPYL DERIVATIVES, PREPARATION METHOD AND COMPOSITIONS CONTAINING SAME
- (54) Titre: DERIVES DE LA QUINOLYL PROPYL PIPERIDINE, LEUR PREPARATION ET LES COMPOSITIONS QUI LES CONTIENNENT



(57) Abstract: The invention concerns piperidine quinolyl propyl derivatives of general formula (I) wherein: R1 is H or halogen, or OH, R'1 is H, or may represent halogon when R1 is also halogon, and R° is H, or R1 and R° together form a bond and R'1 is H, R2 is a carboxy, carboxymethyl or carboxy-2-ethyl radical, and R3 is C1-C6 alkyl substituted with 1 to 3 substituents selected among OH, halogen, =O, COOH, alkyloxycarbonyl, alkyloxy, alkylthio or among a phenyl, phenylthio or phenylalkylthio radical which can themselves bear 1 to 4 substituents [selected among halogen, OH, alkyl, alkyloxy, trifluoromethyl, trifluoromethoxy, COOH, alkyloxycarbonyl, CN, acetamido or NH2] or among cycloalkyl, cycloalkylthio (3 to 7 members), or among aromatic heterocyclyl or heterocyclylthio (5 to 6 members) comprising 1 to 4 heteroatoms selected among N, O or S and optionally substituted themselves [with halogen, OH, alkyl, nlkyloxy, CF₃, OCF₃, =O, COOH, alkyloxycarbonyl, CN or NH₂], R₃ is propargyl substituted with phenyl which can itself bear 1 to 3 substituents [selected among halogen, OH, alkyl, alkyloxy, CF2, OCF3, COOH, alkyloxycarbonyl, CN or NH₂], or substituted with a cycloalkyl radical comprising 3 to 7 members or substituted with aromatic heterocycle (5 to 6 members) comprising 1 to 4 heteroatoms selected among N, O or S and optionally substituted itself (with halogen, OH, alkyl, alkyloxy, CF3, OCI, =O, COOH, alkyloxycarbonyl, CN or NH2, or R3 represents cinnamyl or 4-phonylbuten-3-yl, or R2 is -CH2OH, alkyloxycarbonyl, alkyloxycarbonylmethyl or alkyloxycarbonyl-2-ethyl and R3 is C1-C6 alkyl substituted with phenylthio which can itself bear 1 to 3 substituents [selected among halogen, OH, alkyl, alkyloxy, CF2. OCF3, COOH, alkyloxycarbonyl, CN or NH2], with cycloakylthio comprising 3 to 7 members, or with aromatic heterocyclylthio (5 to 6 members) comprising 1 to 4 heteroatoms selected among N, S or O and optionally substituted itself (with halogen, OH, alkyl, alkyloxy, CF3, OCF3, =O, COOH, alkyloxycarbonyl, CN or NH₂] or R₃ is propargyl substituted with phenyl_l? which can itself bear 1 to 3 substituents [selected among halogen OH, alkyl, alkyloxy, CF₃, OCF₃, COOH, alkoxycarbonyl, CN or NH₂], or substituted with cycloalkyl comprising 3 to 7 members or substituted with an aromatic heterocyclyl with 5 to 6 members comprising 1 to 4 heteroatoms selected among N, O or S and optionally substituted itself [with halogen, OH, alkyl, alkyloxy, CF₃, OCF₃, =O, COOH, alkyloxycarbonyl, CN or NH₂), and R₄ is C₁-C₆ alkyl, (C₃-C₇) alkenyl-CH₂- or alkynyl-CH₂

[Suite sur la page suivante]